EVENT LIGHTING

PANEL

Model No. PAN4x4x30 PAN8x1x30

PAN4x1x30 PAN4x1x15 PAN2x1x30

USER MANUAL

For safety, please read this user manual carefully before initial use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

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V1.1

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Safety Instructions

WARNING

• Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.

• Do not look at the light source when the device is on.

• **CAUTION**: This unit's housing may be hot during and after operation.

• Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.

• Do not leave any flammable material within 50 cm of this unit while operating or connected to power.

• Use a safety chain when mounting this device overhead.

• Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.

• Do not operate this device if the housing, lenses, or cables appear damaged.

• Do not connect this device to a dimmer or rheostat.

• ONLY connect this device to a grounded and protected circuit.

• ONLY use the hanging bracket to carry this device.

• In case of a serious operating problem, stop using immediately.

• The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum 8A. DO NOT exceed this.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

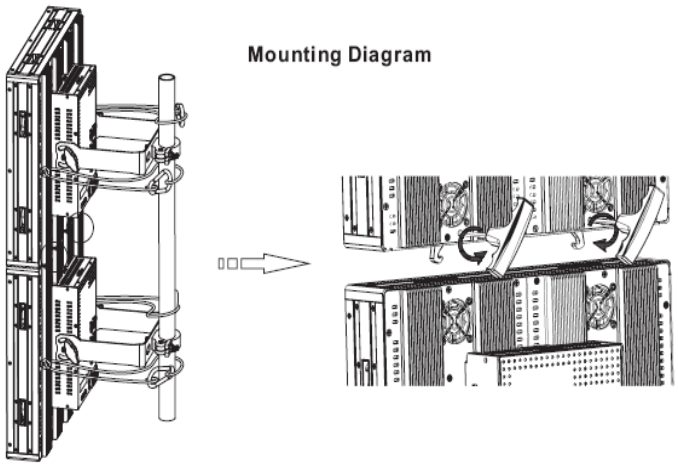
Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing and fix it.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

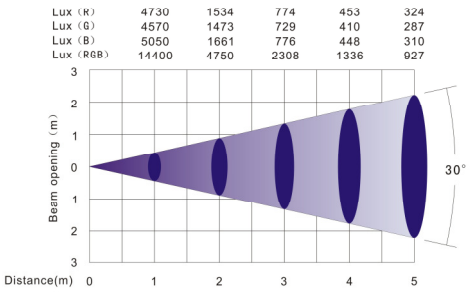
Use a safety chain when mounting this device overhead.

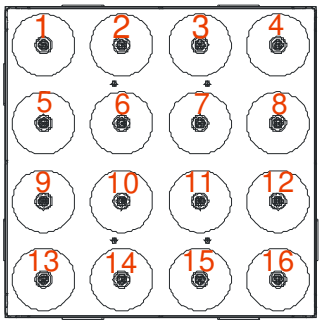


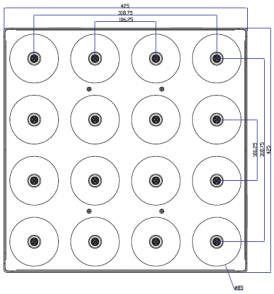
PRODUCT APPEARANCE, LUX CHART, DIMENSIONS

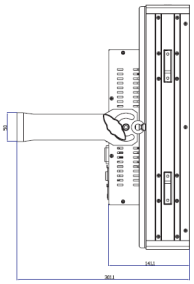
PAN4X4X30

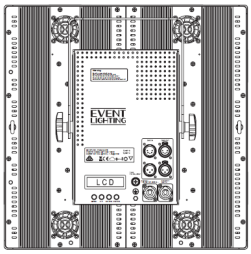
Lux (R)	4730	1534	774	453	324
Lux (G)	4570	1473	729	410	287
Lux (B)	5050	1661	776	448	310
Lux (RGB)	14400	4750	2308	1336	927

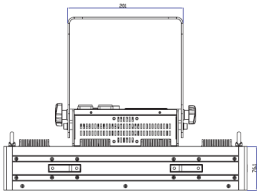






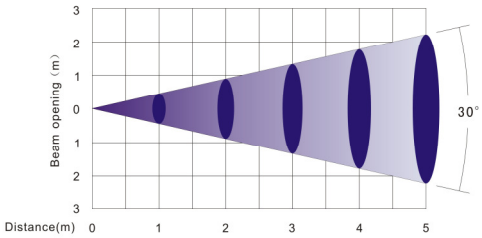


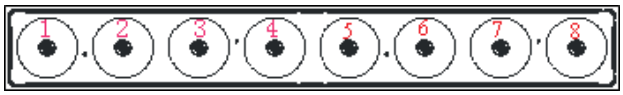


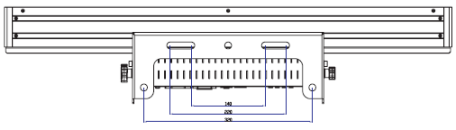


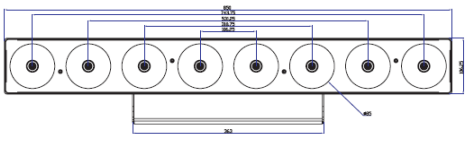
PAN8X1X30

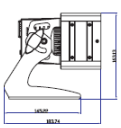
Lux (R)	2052	627	326	198	132
Lux (G)	1848	590	293	179	121
Lux (B)	2039	649	323	192	130
Lux (RGB)	6090	1972	1004	613	422

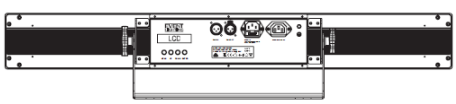


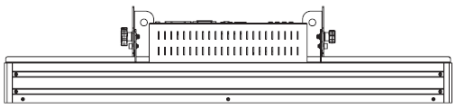






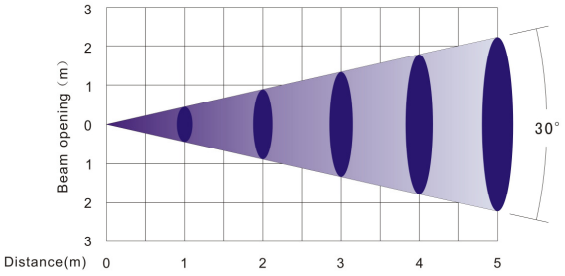






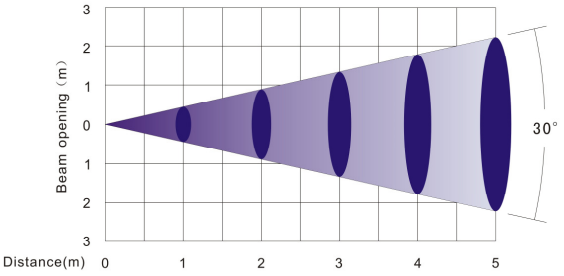
PAN4X1X30

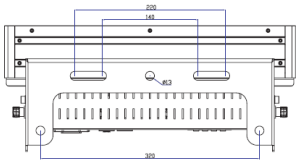
Lux（R）	893	255	122	75	52
Lux（G）	1028	285	136	79	55
Lux（B）	998	273	133	79	54
Lux（RGB）	2548	761	364	223	152

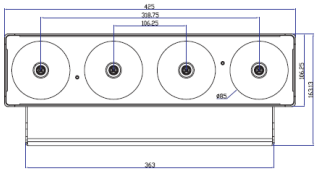


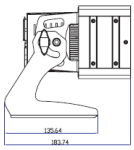
PAN4X1X15

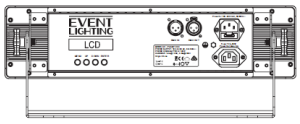
Lux（R）	744	207	97	58	39
Lux（G）	800	221	109	63	42
Lux（B）	840	241	103	64	44
Lux（RGB）	2100	607	289	171	116

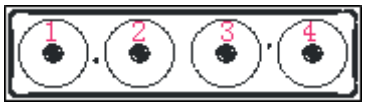






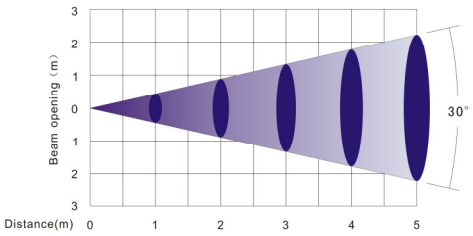


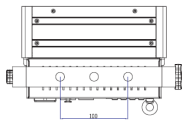


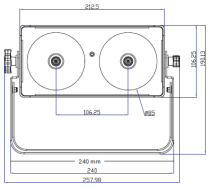


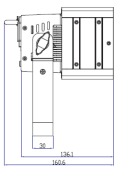
PAN2X1X30

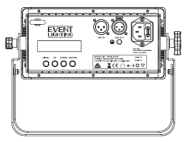
Lux（R）	754	206	95	58	41
Lux（G）	684	180	84	50	35
Lux（B）	734	190	89	53	35
Lux（RGB）	2377	580	261	155	104

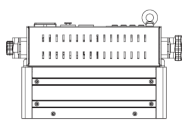


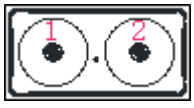












CONTROL BOARD OPERATION

Press the Menu until one of the following displayed:

Display	***Function***
1.DMX Address	To set DMX address
2.DMX Channel	To set DMX channel modes: 8x1 Model - CH 03, CH 05, CH 09, CH24, CH29 4x1 Models - CH 03, CH 05, CH 09, CH12, CH17 2x1 Model - CH 03, CH 05, CH 06, CH09, CH11
3.Dimmer Curve	To set dimmer speeds: 01, 02, 03, 04
4.Sound Mode	To set sound active mode and the sensitivity (Speed 000 ~ Speed 100)
5.Static Color	To set static colors: Static Color R, G, B, GB, RG, RB, RGB
6.Manual Color	To set user mode intensity of R, G, B separately for color mixing and strobe rate
7.Auto Program	To set built-in automatic programs: Pr 01 ~ Pr 10 and speeds 000 ~100
8.Master/Slave	To set Master/Slave modes

Use Up and Down button to select your desired operation, then press Enter to confirm.

DMX Addressing:

After select the "DMX Address" and press Enter, then use Up and Down to set the desired DMX address (001~512), press "Enter" again to confirm.

DMX Modes

After select the "DMX Channel" and press Enter, then use Up and Down to set the desired DMX mode

(4x4 Model - CH 03, CH 05, CH 09, CH48, CH53

8x1 Model - CH 03, CH 05, CH 09, CH24, CH29

4x1 Models - CH 03, CH 05, CH 09, CH12, CH17

2x1 Model - CH 03, CH 05, CH 06, CH09, CH11)

, press "Enter" again to confirm.

Dimmer Speed Setting:

After select the "Dimmer Curve" and press Enter, then use Up and Down to set the desired dimmer speed (01, 02, 03, 04), press "Enter" again to confirm.

Sound Mode

Entered "Sound mode", use <UP> and <DOWN> to set the sensitivity Sen 000 ~ Sen 100, press Enter to confirm.

Setting Static Colors

Entered "Static Color", you can select the desired solid color via the UP or DOW N buttons and confirm by Enter (see following graphic).

Mode:	Value:	Function:
Static Color	Static color <R>	Red
	Static color <G>	Green
	Static color <B>	Blue
	Static color <RG>	Red + Green
	Static color <BG>	Green + Blue
	Static color <RB>	Red + Blue
	Static color <RGB>	Red + Green + Blue

User Mode

This mode allows the user set intensity of R, G, B separately to get endless color mixing from the control board without DMX controller to set the device to run strobe desired.

Entered user mode "Manual color", use <UP> and <DOWN> to select the “R / G / B" for Colors intensity or "S" for strobe.

Use <UP> and <DOWN> to set the colors intensity values " 0 ~ 255" or Strobe speed values "000 ~ 100" (Freeze, Slow ~ Fast), then press "Enter" to confirm.

Automatic Mode

This fixture has a built-in automatic program.

Entered "Auto Program" mode, use <UP> and <DOW N> to select the built-in programs "Pr01 ~ Pr -12" then press the "Enter" to confirm.

Use <UP> and <DOWN> to select the operating speed of the program(Value:Speed 000 ~ Speed100, Freeze,Slow ~ Fast),

Mode:	Value:	Function for single row:	Function for 4x4 model:
Auto Program	Auto program Pr 01	R G B colors switching	R G B colors switching
	Auto program Pr 02	7 colors switching	7 colors switching
	Auto program Pr 03	R G B colors fading	R G B colors fading
	Auto program Pr 04	7 colors Fading	7 colors Fading
	Auto program Pr 05	Color Macros Fading	Color Macros Fading
	Auto program Pr 06	Chase 1	Chase 1
	Auto program Pr 07	Chase 2	Chase 2
	Auto program Pr 08	Chase 3	Chase 3
	Auto program Pr 09	Chase 4	Chase 4
	Auto program Pr 10	Loop above pr 01~pr 09	Chase 5
	Auto program Pr 11	NA	Chase 6
	Auto program Pr 12	NA	Chase 7
	Auto program Pr 13	NA	Chase 8
	Auto program Pr 14	NA	Chase 9
	Auto program Pr 15	NA	Loop above Pro 01~ Pr 14

Master/Slave Operation

This mode allows for multiple units slave fixtures to follow a single master fixture.

1) Set the master fixture to one of the standalone operating modes: automatic, sound, user mode or static color modes

2) For slave units, entered the Master/Slave mode, select "Slave", press Enter.

DMX VALUES

3 Channels Mode: ALL

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%

5 Channels Mode: ALL

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	Master Dimmer 0% ~ 100%
5	000-009	No function
	010-255	Strobe : Slow ~ Fast(1~30Hz)

6 Channels Mode: 2x1

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	LED 1
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	Red 0% ~ 100%	LED 2
5	000-255	Green 0% ~ 100%	
6	000-255	Blue 0% ~ 100%	

9 Channels Mode: ALL

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	
		Warm white 0% ~ 100%	When 169-208 set in CH. 9
2	000-255	Green 0% ~ 100%	
		Cool white 0% ~ 100%	When 169-208 set in CH. 9
3	000-255	Blue 0% ~ 100%	
4	000-255	Master Dimmer 0% ~ 100%	

5	000-009	No function	
	010-255	Strobe : Slow ~ Fast(1~30Hz)	
6	000-019	No Function	
	020-039	RED 100% / GREEN 0% ~ 100% / BLUE 0%	
	040-059	RED 100% ~ 0% / GREEN 100% / BLUE 0%	
	060-079	RED 0% / GREEN 100% / BLUE 0% ~ 100%	
	080-099	RED 0% / GREEN 100% ~ 0% / BLUE 100%	
	100-119	RED 0% ~ 100% / GREEN 0% / BLUE 100%	
	120-139	RED 100% / GREEN 0% / BLUE 100% ~ 0%	
	140-159	RED 100% / GREEN 0% ~100% / BLUE 0%~100%	
	160-179	RED 100%~ 0% / GREEN 100% ~ 0% / BLUE 100%	
	180-199	RED 100% / GREEN 100% / BLUE 100%	
	200-204	White Color Temperature 1	WARM
	205-209	White Color Temperature 2	
	210-214	White Color Temperature 3	
	215-219	White Color Temperature 4	
	220-224	White Color Temperature 5	
	225-229	White Color Temperature 6	
	230-234	White Color Temperature 7	
	235-239	White Color Temperature 8	
	240-244	White Color Temperature 9	
	245-249	White Color Temperature 10	
	250-255	White Color Temperature 11	COOL
7	000-009	No function	
	010-032	Auto Program PR 01	R G B colors switching
	033-056	Auto Program PR 02	7 colors switching
	057-080	Auto Program PR 03	R G B colors fading
	081-104	Auto Program PR 04	7 colors Fading
	105-128	Auto Program PR 05	Color Macros Fading
	129-152	Auto Program PR 06	Chase 1
	153-176	Auto Program PR 07	Chase 2
	177-200	Auto Program PR 08	Chase 3
	201-224	Auto Program PR 09	Chase 4
	225-248	Auto Program PR 10	Loop above pr 01~pr 09
	249-255	Sound active	
8	000-255	Speed of Auto Programs (Slow ~ Fast)	
9	000-009	Default dimmer speed	
	010-048	Non-linear dimmer 1	
	049-088	Non-linear dimmer 2	
	089-128	Non-linear dimmer 3	
	129-168	Non-linear dimmer 4	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

11 Channels Mode: 2x1

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	LED 1
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	Red 0% ~ 100%	LED 2
5	000-255	Green 0% ~ 100%	
6	000-255	Blue 0% ~ 100%	
7	000-255	Master Dimmer 0% ~ 100%	
8	000-009	No function	
	010-255	Strobe : Slow ~ Fast(1~30Hz)	
9	000-009	No function	
	010-043	Auto Program PR 01	R G B colors switching
	044-078	Auto Program PR 02	7 colors switching
	079-113	Auto Program PR 03	R G B colors fading
	114-148	Auto Program PR 04	7 colors Fading
	149-183	Auto Program PR 05	Color Macros Fading
	184-218	Auto Program PR 06	Chase
	219-255	Sound active	
10	0000-255	Speed of Auto Programs (Slow ~ Fast)	
11	000-009	Default dimmer speed	
	010-048	Linear dimmer	
	049-088	Non-linear dimmer 1	
	089-128	Non-linear dimmer 2	
	129-168	Non-linear dimmer 3	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

When CH 11 @ 169-208, WW/CW ON, CH 1 ~ CH 4 function as following:

1	000-255	Warm white 0% ~ 100%	LED 1
2	000-255	Cool white 0% ~ 100%	
3	000-255	Warm white 0% ~ 100%	LED 2
4	000-255	Cool white 0% ~ 100%	

12 Channels Mode: 4x1

CHANNEL	VALUE	FUNCTION	
1,4,7,10	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6) LED 3 (7-9) , LED 4 (10-12)
2,5,8,11	000-255	Green 0% ~ 100%	
3,6,9,12	000-255	Blue 0% ~ 100%	

17 Channels Mode: 4x1

CHANNEL	VALUE	FUNCTION	
1,4,7,10	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6) LED 3 (7-9) , LED 4 (10-12)
2,5,8,11	000-255	Green 0% ~ 100%	
3,6,9,12	000-255	Blue 0% ~ 100%	
13	000-255	Master Dimmer 0% ~ 100%	
14	000-009	No function	
	010-255	Strobe : Slow ~ Fast(1~30Hz)	
15	000-009	No function	
	010-032	Auto Program PR 01	R G B colors switching
	033-056	Auto Program PR 02	7 colors switching
	057-080	Auto Program PR 03	R G B colors fading
	081-104	Auto Program PR 04	7 colors Fading
	105-128	Auto Program PR 05	Color Macros Fading
	129-152	Auto Program PR 06	Chase 1
	153-176	Auto Program PR 07	Chase 2
	177-200	Auto Program PR 08	Chase 3
	201-224	Auto Program PR 09	Chase 4
	225-248	Auto Program PR 10	Loop above pr 01~pr 09
	249-255	Sound active	
16	0000-255	Speed of Auto Programs (Slow ~ Fast)	
17	000-009	Default dimmer speed	
	010-048	Non-linear dimmer 1	
	049-088	Non-linear dimmer 2	
	089-128	Non-linear dimmer 3	
	129-168	Non-linear dimmer 4	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

When CH 17 @ 169-208, WW/CW ON, CH 1 ~ CH 8 function as following:

1	000-255	Warm white 0% ~ 100%	LED 1
2	000-255	Cool white 0% ~ 100%	
3	000-255	Warm white 0% ~ 100%	LED 2
4	000-255	Cool white 0% ~ 100%	
5	000-255	Warm white 0% ~ 100%	LED 3
6	000-255	Cool white 0% ~ 100%	
7	000-255	Warm white 0% ~ 100%	LED 4
8	000-255	Cool white 0% ~ 100%	

24 Channels Mode: 8x1

CHANNEL	VALUE	FUNCTION	
1,4,7,10,13,16,19,22	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6), LED 3 (7-9) LED 4 (10-12), LED 5 (13-15) , LED 6 (16-18) LED 7 (19-21) , LED 8 (22-24)
2,5,8,11,14,17,20,23	000-255	Green 0% ~ 100%	
3,6,9,12,15,18,21,24	000-255	Blue 0% ~ 100%	

29 Channels Mode: 8x1

CHANNEL	VALUE	FUNCTION	
1,4,7,10,13,16,19,22	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6), LED 3 (7-9) LED 4 (10-12), LED 5 (13-15) , LED 6 (16-18) LED 7 (19-21) , LED 8 (22-24)
2,5,8,11,14,17,20,23	000-255	Green 0% ~ 100%	
3,6,9,12,15,18,21,24	000-255	Blue 0% ~ 100%	
25	000-255	Master Dimmer 0% ~ 100%	
26	000-009	No function	
	010-255	Strobe : Slow ~ Fast(1~30Hz)	
27	000-009	No function	
	010-032	Auto Program PR 01	R G B colours switching
	033-056	Auto Program PR 02	7 colours switching
	057-080	Auto Program PR 03	R G B colours fading
	081-104	Auto Program PR 04	7 colours Fading
	105-128	Auto Program PR 05	Colour Macros
	129-152	Auto Program PR 06	Chase 1
	153-176	Auto Program PR 07	Chase 2
	177-200	Auto Program PR 08	Chase 3
	201-224	Auto Program PR 09	Chase 4
	225-248	Auto Program PR 10	Loop above Pro 01~ Pr 09
	249-255	Sound active	Sound active
28	0000-255	Speed of Auto Programs (Slow ~ Fast)	
29	000-009	Default dimmer speed	
	010-048	Linear dimmer	
	049-088	Non-linear dimmer 1	
	089-128	Non-linear dimmer 2	
	129-168	Non-linear dimmer 3	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

When CH 29 @ 169-208, WW/CW ON, CH 1 ~ CH 16 function as following:

1,3,5,7,9,11,13,15	000-255	Warm white 0% ~ 100%	LED 1 (1,2) , LED 2 (3,4) , LED 3 (5,6) , LED 4 (7,8) , LED 5 (9,10) , LED 6 (11,12) , LED 7 (13,14) , LED 8 (15,16) ,
2,4,6,8,10,12,14,16	000-255	Cool white 0% ~ 100%	

48 Channels Mode: 4x4

CHANNEL	VALUE	FUNCTION	
1,4,7,10,13,16,19,22,25,28, 31,34,37,40,43,46,	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6), LED 3 (7-9) LED 4 (10-12), LED 5 (13-15) , LED 6 (16-18) LED 7 (19-21) , LED 8 (22-24), LED 9 (25-27) LED 10 (28-30) , LED 11 (31-33), LED 12 (34-36) LED 13 (37-39) , LED 14 (40-42), LED 15 (43-45) LED 16 (46-48)
2,5,8,11,14,17,20,23,26,29, 32,35,38,41,44,47	000-255	Green 0% ~ 100%	
3,6,9,12,15,18,21,24,27,30, 33,36,39,42,45,48	000-255	Blue 0% ~ 100%	

53 Channels Mode: 4x4

CHANNEL	VALUE	FUNCTION	
1,4,7,10,13,16,19,22,25,28, 31,34,37,40,43,46,	000-255	Red 0% ~ 100%	LED 1 (1-3) , LED 2 (4-6), LED 3 (7-9) LED 4 (10-12), LED 5 (13-15) , LED 6 (16-18) LED 7 (19-21) , LED 8 (22-24), LED 9 (25-27) LED 10 (28-30) , LED 11 (31-33), LED 12 (34-36) LED 13 (37-39) , LED 14 (40-42), LED 15 (43-45) LED 16 (46-48)
2,5,8,11,14,17,20,23,26,29, 32,35,38,41,44,47	000-255	Green 0% ~ 100%	
3,6,9,12,15,18,21,24,27,30, 33,36,39,42,45,48	000-255	Blue 0% ~ 100%	
49	000-255	Master Dimmer 0% ~ 100%	
50	000-009	No function	
	010-255	Strobe :	Slow ~ Fast(1~30Hz)
51	000-009	No function	
	010-023	Auto Program PR 01	R G B colours switching
	024-038	Auto Program PR 02	7 colours switching
	039-053	Auto Program PR 03	R G B colours fading
	054-068	Auto Program PR 04	7 colours Fading
	069-083	Auto Program PR 05	Colour Macros Fading
	084-098	Auto Program PR 06	Chase 1
	099-113	Auto Program PR 07	Chase 2
	114-128	Auto Program PR 08	Chase 3
	129-143	Auto Program PR 09	Chase 4
	144-158	Auto Program PR 10	Chase 5
	159-173	Auto Program PR 11	Chase 6
	174-188	Auto Program PR 12	Chase 7
	189-203	Auto Program PR 13	Chase 8
	204-218	Auto Program PR 14	Chase 9
	219-233	Auto Program PR 15	Loop above Pro 01~ Pr 14
	234-255	Sound active	
52	0000-255	Speed of Auto Programs	(Slow ~ Fast)
53	000-009	Default dimmer speed	
	010-048	Linear dimmer	
	049-088	Non-linear dimmer 1	
	089-128	Non-linear dimmer 2	
	129-168	Non-linear dimmer 3	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

When CH 53 @ 169-208, WW/CW ON, CH 1 ~ CH 32 function as fol lowing:

1,3,5,7,9,11,13,15, 17,19,21,23,25,27, 29,31	000-255	Warm white 0% ~ 100%	LED 1 (1,2), LED 2 (3,4), LED 3 (5,6), LED 4 (7,8), LED 5 (9,10), LED 6 (11,12), LED 7 (13,14), LED 8 (15,16), LED 9 (17,18), LED 10 (19,20), LED 11 (21,22), LED 12 (23,24), LED 13 (25,26), LED 14 (27,28), LED 15 (29,30), LED 16 (31,32),
2,4,6,8,10,12,14, 16,18,20,22,24,26, 28,30,32	000-255	Cool white 0% ~ 100%	

TECHNICAL SPECIFICATIONS

Model	PAN 4x1x15	PAN 4x1x30	PAN 2x1x30	PAN 8x1x30	PAN 4x4x30
Dimensions and Weight					
LxWxH (mm)	425 x 187 x 163		213 x 136 x 165	850 x 187 x 163	425 x 425 x 141
Weight (kg)	4		2.5	6.2	11.3
Power					
Power Supply	100~240V AC, 50/60 Hz				
Power Consumption (w)	60	120	50	200	390
Fuse	T 1 A, 250 V	T 2 A, 250 V	T 1A, 250 V	T 3.15A, 250V	T 3.15A, 250V
LED	4pcs 15W COB Tri-color RGB	4pcs 30W COB Tri-color RGB	2pcs 30W COB Tri-color RGB	8pcs 30W COB Tri-color RGB	16pcs 30W COB Tri-color RGB
Operation Modes	DMX, Auto, Sound Active, Master/Slave, RGBW Manual Control Mode, Static colour Mode				
Beam Angle	30°				
Refresh Rate	11,700Hz		11700Hz	11,700Hz	
DMX Channel	3,5,9,12,17 channels		3,5,6,9,11 channels	3,5,9,24,29 Channels	3,5,9,48,53 channels
DMX connection	3 - pin XLR				3 pin & 5 pin XLR
Power Input	IEC				Neutrik Powercon
Power Output	IEC		no	IEC	Neutrik Powercon
Pixel control for each COB LED					
LCD display with 4 buttons control					
Smooth electronic dimming with a 16-bit 4 Dimmer curve					
Oxidation surface treated aluminum Housing					
Variable Speed Strobe Effect (1 – 30 Hz)					

WARRANTY

Please refer to your local dealer or please contact Event Lighting.